

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Nevada Division of State Parks
Lake Tahoe-Nevada State Parks
P.O. Box 8867
Incline Village, NV 89452

Permit Number: NEV97017

Location: Spooner Lake State Park
Park entrance located on State Route 28, ¼ mi. N of U.S. 50 (Spooner Junction) in Douglas County, NV
Latitude: 39° 06' 12"N, Longitude: 119° 54' 47"W
Township 14N, Range 18E, Section 1

Well Head and Drinking Water Supply Protection

Review of the Nevada Division of Water Resources well log database indicates that there are no drinking water supply wells within the township, range and section listed for the Spooner Lake State Park wastewater treatment facility. The facility itself is not within a designated Wellhead Protection Zone. Treated effluent is removed from the Lake Tahoe Basin via the 21-mile long Incline Village General Improvement District (IVGID) effluent export pipeline. Treated effluent discharges to the reuse sites in the Douglas County Carson Valley (Schneider Ranch (NEV98013), IVGID Wetlands Enhancement Facility (NEV30009) and Bently Agrowdynamics (NEV2002505)) are not within a Drinking Water Protection Area or a Wellhead Protection Zone.

General: Spooner Lake State Park is a 13,400-acre recreational area located on State Route 28, ¼ mile north of U.S. 50 (Spooner Junction) in Douglas County, NV. Domestic (sanitary) wastewater generated from the park's restroom facility is treated on-site in a 1,200 gallon per day (gpd) package wastewater treatment plant, which is manufactured by the Cromaglass Corporation. The package treatment plant provides wastewater screening, aeration, secondary clarification and disinfection. As stated, treated effluent is exported out of the Tahoe Basin via the (IVGID) Export Pipeline, and is discharged various reuse sites in the Carson Valley.

Because the inflow to the plant is sporadic (higher park usage on weekends, summer months, etc.), maintaining the current treatment plant efficiency has proved difficult. The Nevada Division of State Parks (NDSP) has determined that a system with a higher capacity would allow greater retention time and therefore greater operating flexibility and efficiency. NDSP has requested and been given permission to replace the 1,200 gpd treatment plant with a similar Cromaglass package treatment plant. The new plant will have a capacity of 3,000 gpd, and operation of the new plant will not be substantially different from the old facility. It is anticipated that the increased capacity of the new plant will aid in better managing the wide fluctuations in influent flow, and will produce a higher quality effluent. NDSP has not requested an increase in the permit discharge flow limit, as they do not anticipate higher park usage.

Effluent Flow and Characteristics: The package wastewater treatment plant is permitted for 0.0012 MGD (1,200 GPD). Spooner Lake State Park is operated year-round, and peak wastewater

production occurs during the July-October period. Since this package plant's treatment capacity is less than 5,000 GPD, operator certification requirements do not apply per NAC 445A.286. The Division of State Parks does not anticipate any increase in facility usage, and has not requested an increase in effluent flow for this permitting cycle.

Receiving Water Characteristics: Treated effluent from this package plant is pumped to the IVGID Export Pipeline, which provides effluent for reuse sites in Douglas County including Schneider Ranch (NEV98013), IVGID Wetlands Enhancement Facility (NEV30009) and Bently Agrowdynamics (NEV2002505). The IVGID Export Pipeline is permitted for 2.14 MGD. At peak flow (0.0012 MGD), the Spooner Lake package treatment plant provides only 0.06% of the effluent flow in this export pipeline.

Proposed Effluent Limitations and Special Conditions:

Table 1: Plant Discharge Limitations

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.0012	Monitor & Report	Continuous	Flow Meter
BOD ₅ (mg/L)	30	45	Monthly	Composite
TSS (mg/L)	30	45	Monthly	Composite
Total Phosphorus as P (mg/L)	Monitor & Report		Monthly	Composite
Total Dissolved Solids (mg/L)	Monitor & Report		Monthly	Composite
Chlorine Residual (mg/L)	Monitor & Report		Monthly	Discrete
Fecal Coliform (CFU or MPN / 100 ml)	23	240	Monthly	Discrete
Ammonia as N (mg/L)	Monitor & Report		Monthly	Composite
Nitrate as N (mg/L)	Monitor & Report		Monthly	Composite
Dissolved Oxygen (mg/L)	≥ 2.0		Monthly	Discrete
pH (Standard Units)	Between 6.0 & 9.0		Monthly	Discrete

1. 30-day Geometric Mean

Schedule of Compliance: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications, which the Administrator may make in approving the schedule of compliance

- a. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- b. **By MMM DD, 2008**, the Permittee shall submit any necessary changes or revisions the Operations and Maintenance Manual.

Rationale for Permit Requirements: The proposed monitoring is in accordance with limitations established for the IVGID Export Pipeline reuse sites. Proposed permit limitations reflect secondary treatment standards.

Procedures for Public Comment: The Notice of the Division's intent to issue a permit authorizing the operation of this package wastewater treatment plant, subject to the conditions contained within the permit is being sent to **The Record-Courier** and **The Nevada Appeal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **August 18, 2008 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to issue (renew) the proposed discharge permit for a period of five (5) years.

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May, 2008